

Aero Design Ltd.**Work Order Control Sheet**Work Order#: **2017-32** Date Opened: 14 Feb 2017 Title: **Assembly**Aircraft OEM: **Bell** Aircraft Model: **206L/407** Product Type: **Cargo Basket** Product Model: **Wide** Quantity: **1****Work Order Contents**

Work Order/Build Sheets (Procedures Provided)
Additional Work Sheets (Standard Practice)
Drawings (See List Below)
Parts Distribution Sheet
Sub Component Tags
Completed Certification
Time Sheet (R&D)
Notes

Initial or N/A

| |
|-----|
| DB |
| N/A |
| DB |
| DB |
| N/A |
| JC |
| N/A |
| N/A |

Component Completion

Quantity Complete on This Work Order
Quantity Incomplete on This Work Order
Further Processing Required Before Release
Release to Stock as Components

As Instructed

| |
|-----|
| 1 |
| 0 |
| N/A |
| N/A |

Build Sheet Contents

Tasks Initialled
Dual Inspections Initialled

Initial or N/A

| |
|----|
| JC |
| JC |

Certification

Form One Completed
Serviceable (Green) Tag Completed
In Process (Yellow) Tag Completed
Unserviceable (Red) Tag Completed
Parts Placed in Stores for Distribution

Initial or N/A

| |
|-----|
| JC |
| N/A |
| N/A |
| N/A |
| N/A |

Drawing List

| Drawing # | Rev # | Description | Initial or N/A |
|-----------|-------|------------------------|----------------|
| 94510 | 0 | Basket Assembly | DB |
| 70405 | 4 | Lid Walkway Mod. | DB |
| 84240 | 0 | Lid Brace Installation | DB |
| 84255 | 2 | Handle Installation | DB |
| 69830 | 3 | Forward Beam | DB |
| 69831 | 3 | Aft Beam | DB |

Additional Documentation

Documentation of a minor change
Non-Conformance Report Required
Service Difficulty Report Required

Initial or N/A

| |
|-----|
| N/A |
| N/A |
| N/A |

Billing

Local (Aero Design)
Research and Development
Third Party

Initial or N/A

| |
|-----|
| JC |
| N/A |
| N/A |

Traveller

Install walkway on lid
Install lid on basket body
Re-tap mounting lug holes and install mount lugs
Install handle brackets
Install handle
Install lid prop
Install data plate

Initial or N/A

| |
|----|
| DB |
| DB |
| DB |
| DB |
| DB |
| DB |
| DB |

Work performed by:

Print: **D. Bartfai**Sign: SCA: **AD07**Date: **23-Feb-17**

ICC / Dual Inspection performed by:

Print: **J. Clarke**Sign: SCA: **AD02**Date: **23-Feb-17**

Work Order closed by:

Print: **J. Clarke**Sign: SCA: **AD02**Date: **23-Feb-17**

Approved Manufacturing Facility 73-04

Form 20.D/03

Rev. Original 23 Sep 2014

Work Order: 2017-32

Material Tracking Sheet
Bell 206L / 407
Extra Wide Basket Assembly

1 of 2

Date Opened: _____

| Ass'y Step | Qty | Detail Drawing | Part Number | Description | Material | PO/WO |
|-----------------------|----------|----------------|-----------------|------------------------------|-----------------------------------|-----------------|
| | <u>1</u> | | 94510-01 | Cargo Basket Assembly | <i>s/n 94501-0504 J.</i> | |
| Step 1 | | | | <i>Lid Assembly</i> | | |
| Step 1.a. | . 1 | | 69812-01 | Basket Lid Assembly | | <i>2016-141</i> |
| | . . 3 | | 49205-14 | Bumper | Argus Industries Bumper | <i>15025</i> |
| Step 1.b. | . . A/R | | -- | Sealant | Commercial Silicone RTV sealant | |
| | . . 1 | | 94527-01 | Placard | 0.063 Sheet, 6061-T6 Aluminum | <i>original</i> |
| | . . 4 | | CR3213-4-02 | Cherry Rivet | | <i>16042</i> |
| Step 1.c. (option) | . 1 | | 70405-01 | Lid Step Modification | | |
| | . . 1 | | 70405-04 | Tread Plate | 3003 Aluminum Tread Plate, 0.063" | <i>17011</i> |
| | . . A/R | | CR3213-4-02 | Cherry Rivet | | <i>16042</i> |
| | . . A/R | | -- | Sealant | Commercial Silicone RTV sealant | |
| Step 2 | | | | <i>Basket Assembly</i> | | |
| Step 2.a. | . 1 | | 94511-01 | Basket Body Assembly | | <i>original</i> |
| | . . 4 | | 96710-01 | Fitting | Alternate: Ancra 40088-14 | <i>15075</i> |
| | . . 8 | | NAS1149F0663P | Washer | | <i>15074</i> |
| Step 3 | | | | <i>Hinge Installation</i> | | |
| | . 1 | | MS20001P4 | Piano Hinge | 72" | <i>16030</i> |
| | . 8 | | CR3523-5-02 | Cherry Rivet | | <i>16005</i> |
| | . A/R | | CR3213-5-02 | Cherry Rivet | | <i>16042</i> |
| Step 4 | . 1 | 84255 | 84255-01 | <i>Handle Installation</i> | | |
| Step 4.a. | . . 2 | | 84267-01 | Bracket | Delrin, 3/4" Sheet | <i>2016-37</i> |
| | . . 4 | | AN3-11A | Bolt | | <i>14068</i> |
| | . . 8 | | NAS1149F0363P | Washer | | <i>16080</i> |
| | . . 4 | | MS21044N3 | Nut | | <i>15086</i> |

Work Order: _____

Material Tracking Sheet
Bell 206L / 407
Extra Wide Basket Assembly

2 of 2

Date Opened: _____

| Ass'y Step | Qty | Detail Drawing | Part Number | Description | Material | PO/WO |
|------------|------|----------------|---------------|--------------------------|-------------------------------------|----------|
| Step 4.b. | .. 1 | | 84261-01 | Handle Assembly | | original |
| | .. 2 | | 36278-01 | Spring (1 left, 1 right) | 304 Stainless, 1/16" Dia Music Wire | 15071 |
| | .. 2 | | 36275-01 | Bushing | Brass, 5/16" Dia | 2016-132 |
| | .. 2 | | AN3-12A | Bolt | | 15031 |
| | .. 4 | | NAS1149F0363P | Washer | | 16080 |
| | .. 2 | | MS21044N3 | Nut | | 15086 |
| | | | | | | |
| Step 5 | | | | Lid Brace Installation | | |
| | . 1 | | 36280-01 | Brace Assembly | | 2016-145 |
| | . 1 | | AN3-15A | Bolt | | 14684 |
| | . 1 | | AN3-17A | Bolt | | 13084 |
| | . 2 | | AN970-3 | Washer | | 15014 |
| | . 3 | | NAS1149F0363P | Washer | | 16080 |
| | . 2 | | MS21044N3 | Nut | | 15086 |
| Step 6 | | | | Inspection | None | |

[illegible]

CARGO BASKET ASSEMBLY - COMMON

General

These instructions apply to all cargo basket assemblies. Refer to the following drawings, at the current revision, for dimensions and details:

Bell 206L/407 – Right side only

69810, Revision 3 – Standard Low Mounted Basket
94510, Revision 0 – Extra-Wide Low Mounted Basket
94610, Revision 0 – Extra-Wide Low Mounted Ski Basket
76610, Revision 0 – High Mounted Ski Basket

Eurocopter AS350/AS355 – left or right

77610, Revision 1 – Short Basket
76410, Revision 3 – Medium Basket (left or right)
78410, Revision 2 – Long Basket
94010, Revision 0 – Extra Large (ski) Basket

Robinson R44 – left or right

90610, Revision 0 – Standard Basket (left or right)

Bell 206B – right side only

80210, Revision 0 – Short Basket
80310, Revision 0 – Medium Basket
81110, Revision 0 – Long Basket

Bell 429 – right or left

95911, Revision 0 – Standard Basket

Bell Medium – left or right

75111, Revision 0 – Standard Basket
95511, Revision 0 – Extra Large (ski) Basket

MD600

82811, Revision 0 – Standard Basket

Options

70405, Revision 3? – Lid Walkway

CARGO BASKET ASSEMBLY - COMMON

Complete
(initial or SCA #)

Work Order: 2017-32

Date Open: _____

AD
73-04
07

1. Lid Assembly

- a. Install lid bumpers on bottom.
 - i. Fill bumper holes with RTV silicone sealant.
 - ii. Insert 49205-14 lid bumper, 3 or 4 places per lid.
- b. Install placard on bracket on top of lid.
 - i. Locate placard on bracket.
 - ii. Drill #30 through placard and bracket, using holes in placard.
 - iii. Remove placard and de-burr holes in placard and on bracket.
 - iv. Locate placard on bracket, and cleco in place.
 - v. Rivet placard with four CR3213-4-02 CherryMax rivets.
- c. Option: Install walkway on top of lid (lid must be fitted with walkway provisions)
 - i. Note: avoid touching surface of tread plate with bare hands to prevent smudges or marks on the top surface.
 - ii. Pull tread plate from stock. Shear tread plate to length.
 - iii. De-burr edges of tread plate with scotch-brite disc on die-grinder.
 - iv. Locate tread plate on lid. Hold tread plate in place with bags of lead shot.
 - v. Mark and drill #30 holes:
 1. 0.25" from edge of tread plate, centre on cross members (0.38")
 2. 0.25" from edge of tread plate, middle of each walkway stringer
 - vi. De-burr and counter-bore (if required to provide clearance of rivet head on checker pattern) all holes in tread plate using 1/4" piloted counter bore on both sides.
 - vii. De-burr holes in lid tubes.
 - viii. Apply bead of RTV silicone sealant along all tubes under tread plate.
 - ix. Set tread plate in place, secure with clecos if necessary.
 - x. Rivet placard with CR3213-4-02 CherryMax rivets
- d. Record PO/WO of all parts (including lid) used in steps above on attached material tracking list.

AD
73-04
07

2. Body Assembly

- a. Install attachment fittings
 - i. Carefully remove excess powder coat from around attachment lug threads using a countersink.
 - ii. Run 3/8-24 tap into attachment lugs to clear threads.
 - iii. Apply anti-seize compound to attachment fittings 96710-01 (alternate: Ancra 40088-14)
 - iv. Install attachment fittings with two NAS1149F0363P washers in four lugs in basket.
 1. 90610 (Robinson R44) basket only:
 - a. Install 1 fitting 906?? in lower forward attachment lug only.
 - b. Install 3 96710-01 fittings in remaining locations.
 - v. Torque to ??

CARGO BASKET ASSEMBLY - COMMON

Complete
(initial or SCA #)

- b. 946 Basket Only: Install Cutout Brace – *must be completed after hinge installation*
 - i. Locate 94621-01 Brace over aft cross tube cutout
 - ii. Install two AN4-6A bolts and two AN4-30A bolts with NAS1149F0463P washers.
 - iii. Torque AN4 bolts to ??
- c. Record PO/WO of all parts (including basket) used in steps above on attached material tracking list.

AD
73-04
07

3. Hinge Installation

- a. Prepare hinge.
 - i. Cut hinge to length:
 - 1. 776, 906 – 54"
 - 2. 751, 803 – 70"
 - 3. 698, 764, 945 – 72"
 - 4. 784 – 90"
 - 5. 940, 946, 959 – 95"
 - ii. Drill #30 pilot holes using hinge jig. For long hinges, flip at specified location on jig.
- b. Install hinge on basket
 - i. Locate hinge on basket (standard baskets)
 - 1. centre fore/aft
 - 2. 0.15" – 0.18" up from bottom edge
 - ii. Locate hinge on basket (extra wide baskets)
 - 1. centre fore/aft
 - 2. set hinge at 90 degrees (as if lid would be installed) using a small square, locate vertical side at 22.5" from outboard edge.
 - iii. Drill #30 through holes in hinge into basket rim. Cleco in place with 1/8 (copper) clecos.
 - iv. Drill holes up to #21 through hinge and rim. Replace 1/8 clecos with 5/32 (black) clecos.
 - v. Remove hinge and de-burr holes in hinge and basket rim.
 - vi. Cleco hinge to basket with 5/32 clecos.
 - vii. Install hinge with CherryMax rivets
 - 1. CR3523-5-02 monel rivets – last 2 rivets in each end
 - 2. CR3213-5-02 aluminum rivets – all other locations
- c. Install lid on basket
 - i. Locate lid on hinge (all baskets)
 - 1. center fore/aft
 - 2. 0.15" – 0.18" down from top edge
 - ii. Drill #30 through holes in hinge into lid rim. Cleco in place with 1/8 clecos.
 - iii. Drill holes up to #21 through hinge and rim. Replace 1/8 clecos with 5/32 clecos.
 - iv. Remove hinge and de-burr holes in hinge and lid rim.
 - v. Cleco lid to hinge with 5/32 clecos.
 - vi. Install hinge with CherryMax rivets
 - 1. CR3523-5-02 monel rivets – last 2 rivets in each end
 - 2. CR3213-5-02 aluminum rivets – all other locations

CARGO BASKET ASSEMBLY - COMMON

Complete
(initial or SCA #)

AD
73-04
07

- d. Record PO of hinge and rivets on attached material tracking list.

4. Install Handle

a. Install handle brackets.

- i. Set 84267-01 handle bracket on provisions in hoops, 2 places.
- ii. Install AN3-11A bolt, NAS1149F0363P washer (2), MS21044N3 nut. Two places per bracket, two brackets per basket.
- iii. Torque AN3 bolts to ??.

b. Install handle

- i. Trim 36278-01R and 36278-01L springs to ensure end of spring does not extend past edge of handle bracket, approximately 1/8". Set springs over bushing of 84261-01 handle assembly.
- ii. Grease two 36275-01 bushings with ???. Insert into bushings of handle assembly.
- iii. Locate handle on basket lid. Insert AN3-12A bolt with NAS1149F0363P through bracket on lid and handle bushing on one end of handle.
- iv. On other end of handle, hook spring over catch rivet on handle assembly and use spring tool to twist spring to catch arm on bracket on lid while inserting AN3-12A bolt with NAS1149F0363P washer through lid bracket and handle bushing.
- v. At first end, remove bolt and repeat step iv.
- vi. Install NAS1149F0363P washer and MS21044N3 nut on both AN3-12A bolts.
- vii. Torque AN3 bolts to ??.

c. Check handle

- i. Operate handle to ensure handle does not bind and springs hold handle in.
- ii. Snap handle into brackets to ensure handle locks.

- d. Record PO/WO of all parts used in steps above on attached material tracking list.

AD
73-04
07

5. Install lid brace

- a. Locate 36280-01 lid brace on bushing in basket. Ensure brace is on forward end of basket as it will be installed on the helicopter.
- b. On lid end, insert AN970-3 washer into end of lid brace. Insert AN3-15A bolt with NAS1149F0363P washer through AN970-3 washer, lid prop, and lid bushing. Install NAS1149F0363P washer and MS21044N3 nut on bolt.
- c. On basket end, insert AN3-17A bolt with AN970-3 washer through lid prop and basket bushing. Install NAS1149F0363P washer and MS2144N3 nut on bolt.
- d. Ensure brace is seated on lip of bushings before tightening nuts.
- e. Torque AN3 bolts to ??
- f. Record PO/WO of all parts used in steps above on attached material tracking list.

CARGO BASKET ASSEMBLY - COMMON

Complete
(initial or SCA #)

6. Final Inspection

Dual inspection by a different person than assembled the basket.

a. Check for general condition and correct assembly:

- i. Bolts are tight
 - ii. Rivets are installed correctly
 - iii. Handle operates correctly
 - iv. Lid brace operates correctly
- b. Check that PO/WO numbers have been recorded.

~~AD~~
73-04
02



AMO: 283-92
63235 Flood Hope Road
Hope, BC V0X 1L2 Canada
Ph. Office: 604-869-2131
Fax: 604-869-2598
info@valleyhelicopters.ca

Repair Order #2893

| | |
|------------|---------------|
| Date | Nov 22, 2016 |
| Created By | Brad Fandrich |
| Type | Repair |
| Currency | CAD |

Page 1 / 1

Repair Order #2893

| To | Order from |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| AERO DESIGN LTD. 9888A MALASPINA ROAD POWELL RIVER BC V8A 0G3 CANADA Tel: 604-483-2376, Fax: 604-483-2372 Email: jeff@aerodesign.ca | Valley Helicopters Ltd. 63235 Flood Hope Road, Hope, B.C. V0X 1L2 Canada Tel: 604-869-2131, Fax: 604-869-2598 |
| Ship to | Bill to |
| Valley Helicopters Ltd. 63235 Flood Hope Road Hope BC V0X 1L2 Tel: 604-869-2131, Fax: 604-869-2598 | Valley Helicopters Ltd. 63235 Flood Hope Road Hope BC V0X 1L2 Tel: 604-869-2131, Fax: 604-869-2598 |

** Work to be accomplished at this time **

Please, perform Repair
Estimation is needed.

Parts description

| Part Number | Description | Tracking # | Ser/Batch # | TTSN | TTSO | Reg | Est. Cost |
|-------------|-----------------|-------------------------------------|-------------|------|------|--------|-----------|
| 94501-01 | CARGO BASKET QC | 3314 | 94501-04 | | | C-GVHB | 0.00 |
| C.C | Defect | Unit requires hinge and mesh repair | | | | | |


Signature

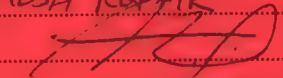
Nov. 22 / 2016
Date

VALLEY HELICOPTERS LTD

63235 Flood Hope Road, Hope BC V0X 1L2

Telephone: (604) 869-2131

NOMENCLATURE CARGO BASKET
PART No. 94501-01
SERIAL NO. 94501-04
MAKE AERO DESIGN MODEL or TYPE 206L / 407-300LSS
REMOVED FROM C- GVHB A/F TIME ON REMOVAL 2496.9
TSN UNK TSO UNK
REASON FOR REMOVAL HINGE & MESH REPAIR
DATE Nov. 22/2016


Engineer's Signature

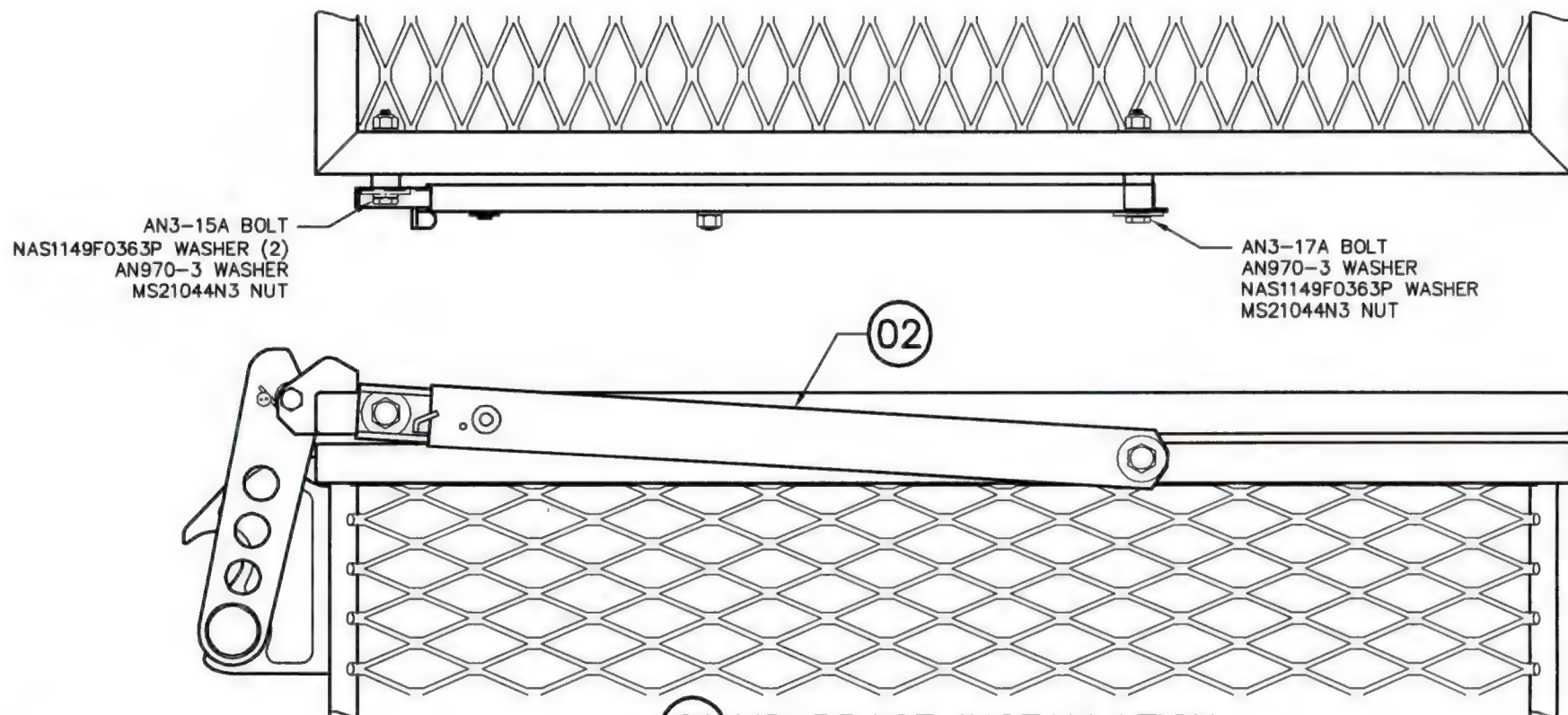
UNSERVICEABLE

| | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------|
| 1. Approving Civil Aviation Authority/Country Transport Canada | | 2. AUTHORIZED RELEASE CERTIFICATE FORM ONE | | | 3. Form Tracking No. 2017-0094 |
| 4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3 | | | | | 5. Work Order/Contract/Invoice WO 2017-32 |
| 6. Item | 7. Description | 8. Part Number | 9. Qty. | 10. Serial/Batch No. | 11. Status/Work |
| 1. | Basket Assembly | 94510-01 | 1 | 94501-04 | Repaired |
| 2. | Forward Beam | 69830-02 | 1 | N/A | |
| 3. | Aft Beam | 69831-02 | 1 | N/A | |
| 12. Remarks Basket body cleaned and repowder coated; lid replaced with new; beams cleaned and repowder coated. | | | | | |
| 13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12. | | | 14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations. | | |
| 13b. Signature <i>Jeff Clarke</i> AD 73-04 02 | | 13c. Approved Organization Number AMF 73-04 | | 14b. Signature 14c. Approved Organization Number | |
| 13d. Name Jeff Clarke - AD02 | | 13e. Date (dd/mmm/yyyy) 23 Feb 2017 | | 14d. Name 14e. Date (dd/mmm/yyyy) | |
| Installer Responsibilities This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown. | | | | | |

Valley Helicopters


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| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
|------|-----------------------|----------|------|
| 0 | INITIAL ISSUE | * | * |

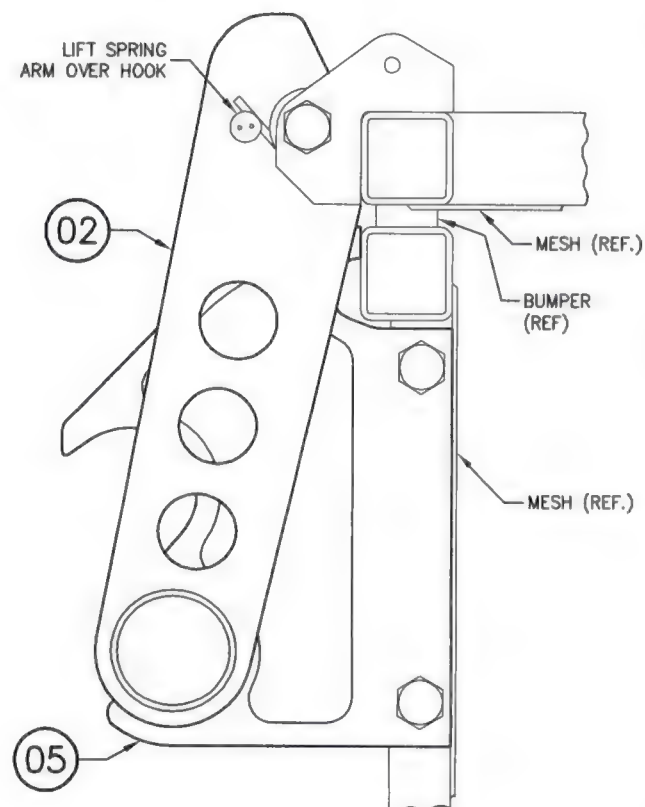


NOTES

- THIS DRAWING APPLIES TO ALL AERO DESIGN LTD. CARGO BASKET ASSEMBLIES.
LID PROP IS TO BE INSTALLED ON THE FORWARD END OF THE BASKET AS INSTALLED ON THE HELICOPTER.

| | | | | | | | | | | |
|------|-------------------|------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------|------|--|
| 2 | MS21044N3 | | NUT | APPROVALS | DATE |  | AERO DESIGN LTD. 9888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 804.463.2378 www.aerodesign.ca | | | |
| 3 | NAS1149F0363P | | WASHER | DRAWN: JEFF CLARKE | 21 MAY 2014 | | | | | |
| 2 | AN970-3 | | WASHER | CHECKED: JASON REKVE | 21 MAY 2014 | | | | | |
| 1 | AN3-17A | | BOLT | | | | | | | |
| 1 | AN3-15A | | BOLT | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2" X.XX ±0.03 X.X ±0.1 | | HELICOPTER CARGO BASKET ALL MODELS LID BRACE INSTALLATION | | | | |
| 1 | 36280-01 | 02 | LID BRACE ASSEMBLY | | | | | | | |
| | 84240-01 | 01 | LID BRACE INSTALLATION | | | | | | | |
| 01 | PART NO. | ITEM | DESCRIPTION | | | | | | | |
| QTY. | LIST OF MATERIALS | | | | | NOT TO SCALE | DWG. SIZE | DWG. NO. | REV. | |
| | | | | | | SHEET 1 OF 1 | A4 | 84240 | 0 | |

1. THIS DRAWING IS AN ALTERNATE CONFIGURATION FOR THE HANDLE INSTALLATION SHOWN ON DRAWING 36255.
2. GREASE BUSHING (ITEM 04) USING MOBILGREASE 28 OR EQUIVALENT PRIOR TO INSTALLATION.



① HANDLE INSTALLATION

| | | | | |
|------|-------------------|------|---------------------|----------------|
| A/R | MOBILGREASE 28 | | GREASE | MIL-PRF-81322F |
| 4 | AN3-11A | | BOLT | |
| 2 | AN3-12A | | BOLT | |
| 10 | NAS1149F0363P | | WASHER | |
| 6 | MS21044N3 | | NUT | |
| 2 | 84267-01 | 05 | BRACKET | |
| 2 | 36275-01 | 04 | BUSHING | |
| 2 | 36278-01 | 03 | SPRING (1 LH, 1 RH) | |
| 1 | 84261-01 | 02 | HANDLE BAR ASSEMBLY | |
| | 84255-01 | 01 | HANDLE INSTALLATION | |
| 01 | PART NO. | ITEM | DESCRIPTION | MATERIAL |
| QTY. | LIST OF MATERIALS | | | |

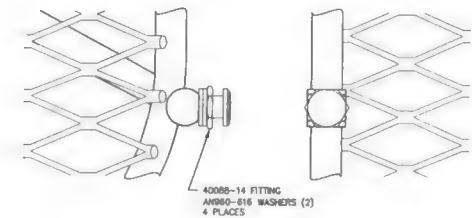
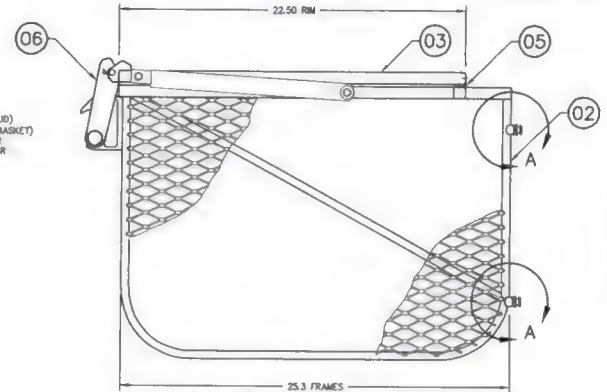
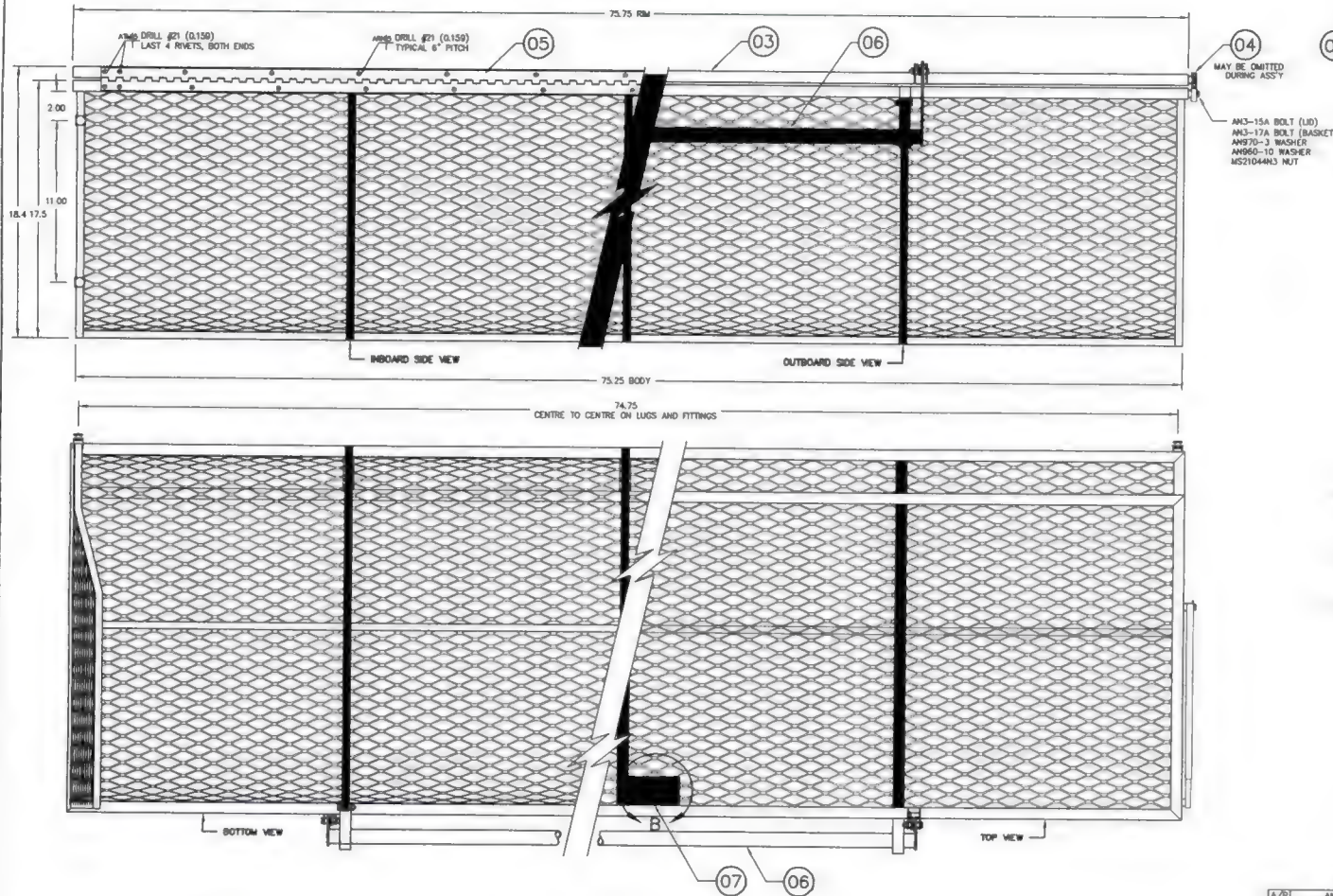
| | |
|--------------------|-------------|
| APPROVALS | DATE |
| DRAWN: JEFF CLARKE | 03 NOV 2009 |
| CHECKED: E. BURGON | |

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ON:

| DECIMALS | ANGLES |
|--------------|--------|
| X.XXX ±0.010 | ±1/2° |
| X.XX ±0.03 | |
| X.X ±0.1 | |

| | | | |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|  | AERO DESIGN LTD. 9888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G5 TEL: 604.483.2376 www.aerodesign.ca | | |
| | HELICOPTER CARGO BASKET HANDLE BAR INSTALLATION | | |
| SCALE 1 : 1 SHEET 1 OF 1 | DWG. SIZE A3 | DWG. NO. 84255 | REV. 2 |

| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
|------|----------------------------|----------|------|
| 0 | CREATED FROM 68810, REV. 3 | | |



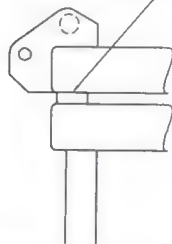
DETAIL A

SCALE 1 : 1
LOOKING AT LOWER ATTACHMENT, UPPER ATTACHMENT SIMILAR
TYPICAL FRONT AND REAR

NOTE:

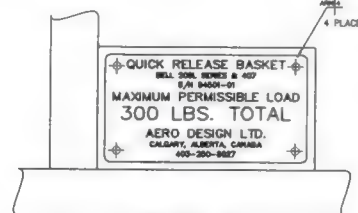
1. ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. DIMENSIONS OF COMPONENTS AND COMPLETE ASSEMBLY ARE DETERMINED IN PREVIOUS STEPS.

DRILL 0.25 INTO LUG
ENSURE CLEARANCE FROM WELD
3 PLACES MIN



BUMPER INSTALLATION
SCALE 1 : 1

01 CARGO BASKET ASSEMBLY



DETAIL B

SCALE 1 : 1
LOOKING AT PLACARD BRACKET

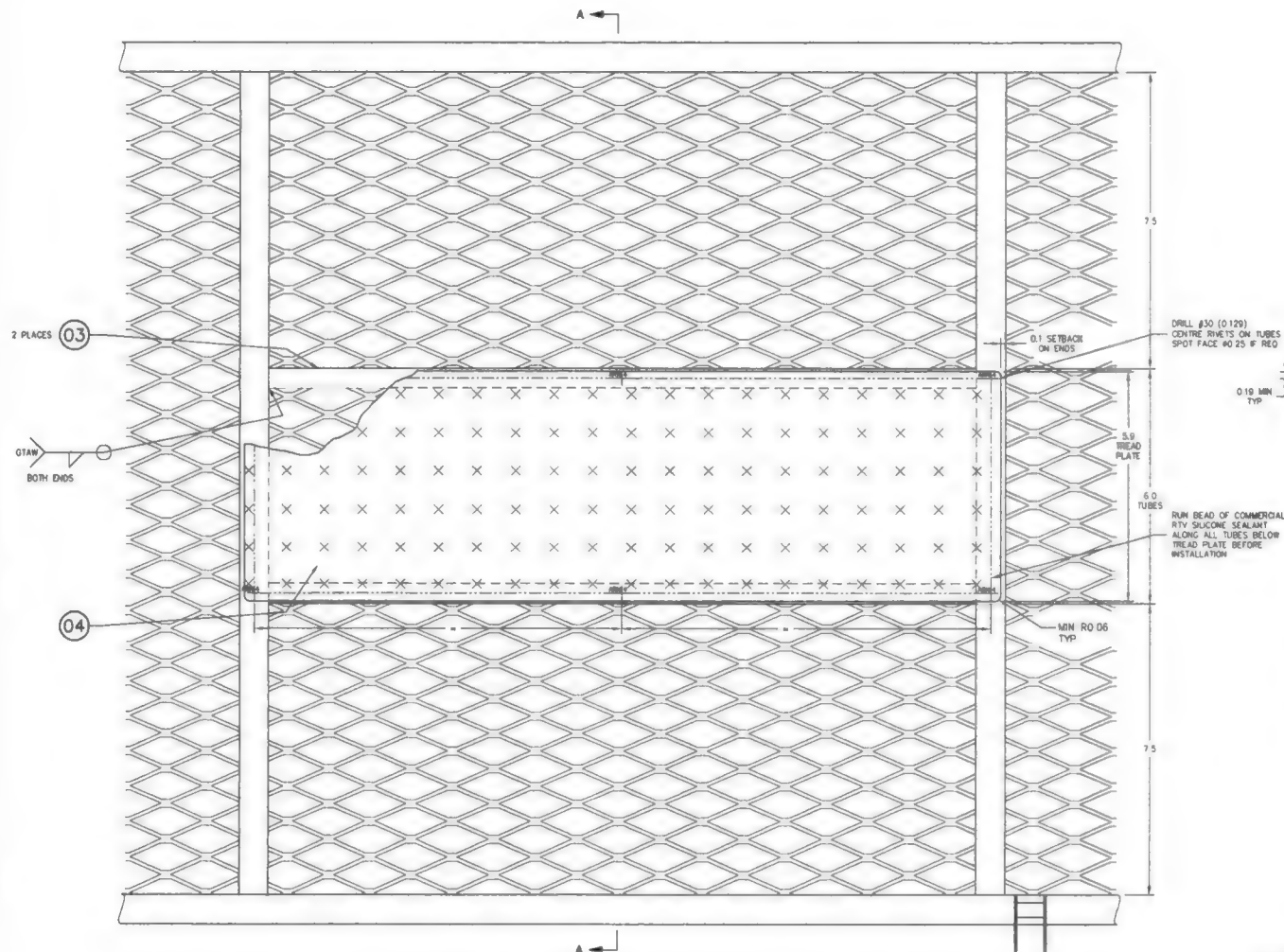
| A/R | PART NO. | ITEM | DESCRIPTION | MATERIAL | MATERIAL SPEC | STOCK SIZE |
|-----|-------------|----------------------------|-------------|------------------|---------------|-------------|
| 4 | AN980-816 | WASHER | | | | |
| 4 | 4008B-14 | FITTING | | | | |
| 4 | CR3213-4-02 | CHERRY RIVET | | ANGRA | | |
| 6 | CR3213-5-02 | CHERRY RIVET | | | | |
| A/R | CR3213-5-02 | CHERRY RIVET | | | | |
| 3 | 49205-14 | BUMPER | | ARGUS INDUSTRIES | | |
| 1 | 94507-01 | PLACARD | | | | |
| 1 | 84255-01 | 06 HANDLE BAR INSTALLATION | | | | |
| 1 | MS20001P4 | 05 PLANO HINGE | | | | 8 FEET LONG |
| 1 | 36280-01 | 04 BRACE ASSEMBLY | | | | |
| 1 | 08812-01 | 03 LUG ASSEMBLY | | | | |
| 1 | 84511-01 | 02 BASKET BODY ASSEMBLY | | | | |
| 1 | 84510-01 | 01 CARGO BASKET ASSEMBLY | | | | |
| 01 | PART NO. | ITEM | DESCRIPTION | MATERIAL | MATERIAL SPEC | STOCK SIZE |
| QTY | | | | | | |

LIST OF MATERIALS

| | | | |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| BASIC CODE REF. HAS 323 | DASH NO. FOR DIAMETER H=MFD. HEAD REAR SIDE F=MFD. HEAD F.A.R. SIDE | APPROVALS DRAWN: JEFF CLARKE CHECKED: E. BURCON | DATE 18 SEPT 2011 |
| C=COUNTERSUNK D=DIMPLE DIGIT=# OF SHEETS TO BE DIMPLED | DASH NO. FOR LENGTH | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES XXX ±0.010 ±1/2° XX ±0.03 X ±0.1 | |
| BASIC CODES: BJ=MS20470AD BB=MS20428AD ARN=CR3213 ATM=CR3523 | <div> <div>+</div> <div>+</div> <div>+</div> </div> <div> <div>+</div> <div>+</div> <div>+</div> </div> <div> <div>+</div> <div>+</div> <div>+</div> </div> | <div>INSTALL NEW RIVET</div> <div>REMOVE/REPLACE RIVET</div> <div>EXISTING RIVET</div> | |

| | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|------|
| AERO DESIGN LTD. CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 8013 - 38TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2S 6R7 Tel: (403) 260-8887 Fax: (403) 260-8388 aerodesign@calcomplanet.net | | | |
| BELL 206L SERIES, 407 QUICK RELEASE CARGO BASKET CARGO BASKET ASSEMBLY | | | |
| SCALE 1 : 4 | DWG. SIZE | DWG. NO. | REV. |
| SHEET 1 OF 1 | A1 | 94510 | 0 |

| THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING OR ANY PORTION THEREOF MAY NOT BE REPRODUCED, COPIED OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR INSPECTION, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON. | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|----------|------------|
| REV | DESCRIPTION OF CHANGE | INITIALS | DATE |
| 1 | ADD BELL MEDIUM AND EUROCOPTER AS330 BASKETS, CHANGE TUBES | BJC | MAR 19/08 |
| 2 | ADD EUROCOPTER EC135, MCDONNELL DOUGLAS MD600, BELL 206B BASKETS | BJC | DEC 4/08 |
| 3 | ADD NEW AS330 AND 206L/407 MODELS | BJC | DEC 4/08 |
| 4 | TITLE BLOCK UPDATED, MODEL LIST REMOVED, ADD ALT RIVET, ADD NOTE 7 | BJC | 27/05/2018 |



(01) BASKET LID ASSEMBLY

SECTION A-A

- NOTES:
- THIS DRAWING IS AN OPTIONAL CONFIGURATION ADDING A TREAD PLATE STEP TO THE LID. THIS CONFIGURATION MAY BE APPLIED TO ANY OR ALL BAYS OF THE LID. REMAINDER OF LID ASSEMBLY IS TO BE FABRICATED IN ACCORDANCE WITH THE APPLICABLE DRAWINGS.
 - TUBES (VIEW 03) MUST BE WELDED IN PLACE BEFORE MESH IS WELDED ON BOTTOM.
 - REMOVE ALL BURRS AND BREAK SHARP EDGES.
 - WELDING OF 6130 STEEL TO BE COMPLETED BY GTAW METHOD TO AWS 2885C. WELDING ROD SHALL CONFORM TO ER70S-2 OR EQUIVALENT.
 - WHEN ASSEMBLY IS COMPLETE, FILL ALL VENT HOLES WITH ROSETTE WELD.
 - THOROUGHLY CLEAN AND POWDER COAT BASKET SUB-ASSEMBLIES PRIOR TO ASSEMBLY. INSTALL TREAD PLATE AFTER POWDER COATING.
 - WIDTH AND POSITION OF LID STEP MAY BE ADJUSTED TO MATCH LID DOOR INSTALLED IN ACCORDANCE WITH DRAWING 70402 ON ADJOINING BAY OF THE LID.

| | | | | | | |
|-----|-------------------|---------------------------------------------|-----------------------|------------|-----------------------|------------|
| A/R | CR3213-4-02 | BLIND RIVET | ALTERNATE HR3213-4-02 | | | |
| 1 | 70405-04 | 04 TREAD PLATE | ALUMINUM | COMMERCIAL | 0.063 TREAD PLATE | |
| 2 | 70405-03 | 03 TUBE | 4130 STEEL COND N | MIL-T-8738 | 0.5 X 0.035 WALL TUBE | |
| 1 | SEE NOTE 1 | 02 BASKET LID ASSEMBLY | | | | |
| 1 | 70405-01 | 01 BASKET LID ASSEMBLY - MODIFIED WITH STEP | | | | |
| 01 | PART NO | ITEM | DESCRIPTION | MATERIAL | MATERIAL SPEC | STOCK SIZE |
| QTY | LIST OF MATERIALS | | | | | |

| | | | | | | | |
|-------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------|--|
| BASIC CODE REF NAS 523 C=COUNTERSUNK D=DIMPLE DIGIT # OF SHEETS TO BE DIMPLED | | DASH NO FOR DIAMETER R=MFD HEAD REAR SIDE F=MFD HEAD FAR SIDE DASH NO FOR LENGTH | | APPROVALS DRAWN: JEFF CLARKE 21 SEPT 2006 CHECKED: E BURCOON | | DATE 21 SEPT 2006 | |
| BASIC CODES BJ = MS20470AD BB = MS20426AD ARN = CR3213 ARN = CR3212 | | + INSTALL NEW RIVET + REMOVE/REPLACE RIVET - EXISTING RIVET | | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS ANGLES X XXX ±0.010 X XX ±0.03 X X ±0.1 | | AERO DESIGN LTD. 8888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 604 688.8878 www.aerodesign.ca | |
| CARGO BASKET LID STEP MODIFICATION | | | | SCALE 1:15 SHEET 1 OF 1 | | DWG NO 70405 | |
| | | | | REV 4 | | | |

NOTICE

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.

| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
|------|-----------------------|----------|------|
| 0 | ORIGINAL ISSUE | | |

NOTES

- ENGRAVE 0.007 DEEP AS FOLLOWS:
 "QUICK RELEASE BASKET" - 0.125 HIGH
 "BELL 206L SERIES & 407" - 0.080 HIGH
 "S/N 94501-XX" - 0.080 HIGH
 "MAXIMUM PERMISSIBLE LOAD" - 0.125 HIGH
 "300 LBS. TOTAL" - 0.200 HIGH
 "AERO DESIGN LTD." - 0.125 HIGH
 "CALGARY, ALBERTA, CANADA" - 0.080 HIGH
 "403-250-8027" - 0.080 HIGH

DRILL #30 (0.129)
4 PLACES



01 PLACARD

| | | | | | | |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|
| 1 | 94527-01 | 01 | PLACARD | 6061-T6 ALUMINUM | QQ-A-250/11 | 0.050 SHEET |
| 01 | PART NO. | ITEM | DESCRIPTION | MATERIAL | MATERIAL SPEC | STOCK SIZE |
| QTY | LIST OF MATERIALS | | | | | |
| | APPROVALS | | DATE | AERO DESIGN LTD. CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8027 fax: (403) 250-8333 aerodesign@telusplanet.net | | |
| | DRAWN: JEFF CLARKE | | 16 SEPT 2011 | | | |
| | CHECKED: E. BURGAIN | | | | | |
| | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2" X.XX ±0.03 X.X ±0.1 | | | BELL 206L SERIES, 407 QUICK RELEASE CARGO BASKET PLACARD | | |
| | SCALE 1 : 1 | | | | | |
| SHEET 1 OF 1 | | | A1 | 94527 | 0 | |



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity: 1

PN: MS20001P4-9600

Aircraft: Multiple **Model:** Multiple

Description: Hinge

Supplier: Bisco

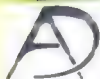
Color: N/A

WO#: N/A

PO# 16030

Lid

2016-141



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

| | | |
|--------------|---------------------------|------------|
| Quantity: | 1 | |
| PN: | Tread Plate | |
| Aircraft: | All | Model: N/A |
| Description: | Lid Walkway Checker Plate | |
| Supplier: | Daigle Marine | |
| Color: | Aluminum | |
| WO#: | N/A | PO# 17011 |



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: 407 AA Beam No. of pieces: 1

Manufacturer: Aero Design Ltd

Part No.: 69831-02 Serial/Batch No.: N/A

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: N/A

Remaining Tasks to be Performed: Re-etch for
Valley 1/2

Signature: [Signature]

Date: Dec 16th / 2016 Lic. No. / SCA AD-07

In Process



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Remarks

In Process



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: 407 Forward Beam No. of pieces: 1

Manufacturer: Aero Design Ltd

Part No.: 69830-00 Serial/Batch No.: N/A

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: N/A

Remaining Tasks to be Performed: Referbish for

Valley BC

Signature: [Signature]

Date: Dec 16th/2016

Lic. No. / SCA AD-07

In Process



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Remarks

In Process



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: 407 Handle No. of pieces: 1

Manufacturer: Aero Design Ltd

Part No.: N/A Serial/Batch No.: N/A

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: N/A

Remaining Tasks to be Performed: Referbish for

Valley

Signature: [Signature]

Date: Dec 16th / 2016

Lic. No. / SCA AD-07

In Process



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

In Process

Remarks
